

**DUAL ECONOMIZER HEAT EXCHANGERS FOR HEAT PUMP****ABSTRACT OF THE DISCLOSURE**

A refrigerant system is operable in either a heating mode or cooling mode. The system is also provided with an economizer cycle that will function in either heating mode or cooling mode. A pair of economizer heat exchangers are positioned adjacent to an air conditioning economizer expansion device, and a heat pump economizer expansion device, respectively. A control for the system will control the opening either the air conditioning economizer expansion device or the heat pump economizer expansion device, dependent on whether economized operation is desired, and whether the system is in cooling or heating mode. Thus, a pair of heat exchangers are utilized, with one being selected for economizer operation dependent on whether the system is in cooling or heating mode.

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